

Amendments to the Claims

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Claim 108. (Currently Amended) A communication system, comprising:

a plurality of signaling processors, wherein each of the signaling processors includes a call processing table and each of the signaling processors is configured to receive signaling for a first call, process the signaling based on the call processing table to select ~~an~~ a first identifier for routing ~~a the first~~ call, and transmit a control message identifying the ~~selected~~ first identifier;

a plurality of connection systems, wherein each of the connection systems is configured to receive user communications for a second call ~~calls~~, receive a control message ~~messages~~ that ~~include~~ includes a second identifier ~~identifiers~~ for routing the second call ~~calls~~, and interwork the user communications ~~based on the identifiers in the control messages~~, and transmit the user communications that include the second identifier for routing the second call; and

a call processing control system coupled to the signaling processors and configured to receive call processing data and update ~~the~~ call processing tables in the signaling processors based on the call processing data.

Claim 109. (Original) The communication system of claim 108 wherein the call processing control system comprises:

a human machine interface configured to provide an interface for an operator to enter the call processing data to adjust the call processing tables.

Claim 110. (Original) The communication system of claim 109 wherein the call processing control system comprises:

a user security configuration system configured to allow selected operators to enter the call processing data to update the call processing tables.

Claim 111. (Original) The communication system of claim 108 wherein the call processing control system receives the call processing data from an operations center.

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Claim 112. (Original) The communication system of claim 108 wherein the call processing control system comprises:

a regional craft view system configured to allow an operations center to view configurations of the signaling processors.

Claim 113. (Original) The communication system of claim 108 wherein the call processing tables include a called number table.

Claim 114. (Original) The communication system of claim 108 wherein the call processing tables include a routing table.

Claim 115. (Original) The communication system of claim 108 wherein the call processing tables include an automatic number identification table.

Claim 116. (Currently Amended) The communication system of claim 108 wherein each of the connection systems ~~are~~ is configured to interwork the user communications between non-asynchronous transfer mode (ATM) connections and asynchronous transfer mode (ATM) connections ~~based on the identifiers in the control messages.~~

Claim 117. (Currently Amended) The communication system of claim 108 wherein each of the connection systems ~~are~~ is configured to interwork the user communications between time division multiplexed (TDM) connections and asynchronous transfer mode (ATM) connections ~~based on the identifiers in the control messages.~~

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Claim 118. (Currently Amended) A method of operating a communication system comprising a plurality of signaling processors, a plurality of connection systems, and a call processing control system, the method comprising:

in each of the signaling processors, receiving signaling for a first call, processing the signaling based on a call processing table to select ~~an~~ a first identifier for routing ~~a~~ the first call, and transmitting a control message identifying the ~~selected~~ first identifier;

in each of the plurality of connection systems, receiving user communications for a second call ~~ealls~~, receiving a control message ~~messages~~ that ~~include~~ includes a second identifier ~~identifies~~ for routing the second call ~~ealls~~, and interworking the user communications ~~based on the identifiers in the control messages~~, and transmitting the user communications that include the second identifier for routing the second call; and

in the call processing control system, receiving call processing data and updating ~~the~~ call processing tables in the signaling processors based on the call processing data.

Claim 119. (Original) The method of claim 118 wherein the call processing control system further comprises a human machine interface, the method further comprising:

in the human machine interface, providing an interface for an operator to enter the call processing data to adjust the call processing tables.

Claim 120. (Original) The method of claim 119 wherein the call processing control system further comprises a user security configuration system, the method further comprising:

in the user security configuration system, allowing selected operators to enter the call processing data to update the call processing tables.

Claim 121. (Original) The method of claim 118 wherein receiving the call processing data comprises:

receiving the call processing data from an operations center.

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Claim 122. (Original) The method of claim 118 wherein the call processing system further comprises a regional craft view system, the method further comprising:

in the regional craft view system, allowing an operations center to view configurations of the signaling processors.

Claim 123. (Original) The method of claim 118 wherein the call processing tables include a called number table.

Claim 124. (Original) The method of claim 118 wherein the call processing tables include a routing table.

Claim 125. (Original) The method of claim 118 wherein the call processing tables include an automatic number identification table.

Claim 126. (Currently Amended) The method of claim 118 wherein interworking the user communications comprises:

interworking the user communications between non-asynchronous transfer mode (ATM) connections and asynchronous transfer mode (ATM) connections ~~based on the identifiers in the control messages.~~

Claim 127. (Currently Amended) The method of claim 118 wherein interworking the user communications comprises:

interworking the user communications between time division multiplexed (TDM) connections and asynchronous transfer mode (ATM) connections ~~based on the identifiers in the control messages.~~